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PATENT APPLICATION

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Inventor(s): Gerard J Foschini
Constantinos B Papadias

copy of papers
originally filed

Case: 13-7

Serial No.: 09/901866

Filing Date: July 10, 2001

Title: Wireless Communication System Using Multi-Element Antenna
Having A Space-Time Architecture

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D. C. 20231

SIR:

**INFORMATION DISCLOSURE STATEMENT
CERTIFICATION UNDER 37 CFR 1.97(c)(1)**

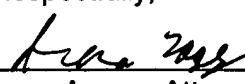
In accordance with 37 CFR 1.97(c)(1), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

I certify that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Copies of the listed documents are enclosed together with the search report that listed these documents.

NO FEE IS REQUIRED

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

Respectfully,


Irena Lager, Attorney
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Date: July 19, 2002

Docket Administrator
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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
	AA	EP0486729A	Nov. 16, 1990	EPC	H04L	2700	No
	AB	EP 0817401A	Jan 7, 1998	EPC	H04B	7/02	No

OTHER (including Author, Title, Date, Pertinent Pages, etc.)

	AC	Wong, K-K et al: "Adaptive Spatial-Subcarrier Trellis Coded MQAM and Power Optimization For OFDM Transmission" VTC 2000-Spring. 2000 IEEE 51 st . Vehicular Technology Conference Proceed. Tokyo, Japan, May 15-18, 2000, Vol. 3 of 3. Conf. 51, pp. 2049-2053, May 15, 2000.
	AD	A. F. Naguib, et al, "Applications of Space-Time Block Codes And Interference Suppression For High Capacity And High Data Rate Wireless Systems", Signals, Systems & Computers, 1998. Conference Record of the Thirty-Second Asilomar Conference on Pacific Grove, Ca, USA, IEEE, ISBN: 0-7803-5148-7, pp. 1803-1810, Nov. 1, 1998.
	AE	X. Cai, et al., "Multicarrier CDMA Systems With Transmit Diversity" IEEE Vehicular Technology Conference, U.S. Vol. 6 of 6, Conf. 52, pp. 2817-2821, Sept. 24, 2000.
	AF	European Patent Application Search for EP 02 25 0566.3-1237 , The Hague, April 26, 2002.

***References listed beyond AZ would list as AA-1, AB-2, AC-3 thru AZ-26.

***Note First Page ONLY Header/Footer. Subsequent pages must ONLY have page # layout as header

EXAMINER	DATE CONSIDERED
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant